



## State Revolving Fund Loan Programs Drinking Water, Wastewater, Nonpoint Source

### PRELIMINARY DECISION OF CATEGORICAL EXCLUSION

TO ALL INTERESTED CITIZENS, ORGANIZATIONS AND GOVERNMENT AGENCIES:

**INDIANA AMERICAN WATER  
Terre Haute Water Main Replacement  
SRF # DW 09 26 84 07**

**Date: October 8, 2009**

**Target Project Approval Date: October 9, 2009**

Pursuant to IC 4-4-11, the State Revolving Fund (SRF) Loan Program has determined that the project described here and in the Indiana American Water Preliminary Engineering Report submitted to the SRF on March 13, 2009 will have no substantial negative environmental impact. Therefore, the SRF is issuing a preliminary decision of Categorical Exclusion from the requirements of substantive environmental review.

*How were environmental issues considered?*

The National Environmental Policy Act (NEPA) requires agencies disbursing Federal funds to include environmental factors in the decision making process. A summary of the project is attached for your review. The SRF's preliminary review has found that the proposed project does not require the preparation of either an EA or an EIS.

*Why is additional environmental review not required?*

Our environmental review has concluded that significant environmental impacts will not result from the proposed action.

*How do I submit comments?*

Comments can be submitted to:

Amy Henninger, Senior Environmental Manager  
SRF Programs  
317-232-6566; ahenning at ifa.in.gov

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## CATEGORICAL EXCLUSION

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### I. PROJECT IDENTIFICATION

Project Name and Address:	Water Main Replacements Indiana American Water – Terre Haute 555 East County Line Road, Suite 201 Greenwood, IN 46143
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SRF Project Number:	DW 09268407
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Authorized Representative:	Stacy Hoffman Director of Engineering
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### II. PROJECT LOCATION

**Ash Street:** The proposed project is located along Ash Street from North 19<sup>th</sup> Street to North 23<sup>rd</sup> Street. The project area is located in Harrison Township, Vigo County, Section 11, Township 12 North, Range 9 West (Terre Haute, Indiana USGS Quadrangle Map). See Figure 1.2.

**4<sup>th</sup> Avenue:** The proposed project is located along 4<sup>th</sup> Avenue from North 22<sup>nd</sup> Street to North 24<sup>th</sup> Street. The project area is located in Harrison Township, Vigo County, Section 12, Township 12 North, Range 9 West (Terre Haute, Indiana USGS Quadrangle Map). See Figure 2.2.

**Highland Road:** The proposed project is located along Highland Road from Woodside Way to the end of the cul-de-sac. The project area is located in Harrison Township, Vigo County, Section 14, Township 11 North, Range 9 West (Terre Haute, Indiana USG Quadrangle Map). See Figure 3.2.

### III. PROJECT NEED AND DESCRIPTION

**Ash Street:** The existing 2-inch cast iron water main has been in service since the 1940s. Corrosion and deterioration have resulted in numerous breaks and leaks in recent years. This has in turn reduced flow and pressure for customers in the area. The proposed project will replace the obsolete pipe via open cut and /or directional drill method of installations with approximately 1,400 LF of 8-inch and 6-inch diameter ductile iron and AWWA C900 PVC pipe (with Certa-Lok restrained joints for directional drilling) to alleviate flow and pressure problems in the area.

**4<sup>th</sup> Avenue:** The existing 2-inch cast iron water main has been in service since the 1940s. Corrosion and deterioration have resulted in numerous breaks and leaks in recent years. This has in turn reduced flow and pressure for customers in the area. The proposed project will replace the obsolete pipe via open cut and /or directional drill method of installations with approximately 1,400 LF of 8-inch and 6-inch ductile iron and AWWA C900 PVC pipe (with Certa-Lok restrained joints for directional drilling) to alleviate flow and pressure problems in the area.

**Highland Road:** The existing 2-inch cast iron pipe has been in service since the 1960s. Corrosion and deterioration have resulted in numerous breaks and leaks in recent years. This has in turn reduced flow and pressure for customers in the area. The proposed project will replace the obsolete pipe via open cut and /or directional drill method of installations with approximately 520 LF of 8-inch and 6-inch ductile iron and AWWA C900 PVC pipe (with Certa-Lok restrained joints for directional drilling) to alleviate flow and pressure problems in the area.

#### IV. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

##### A. Selected Plan Estimated Cost Summary

###### Ash Street

###### Construction Costs

Construction Sub-Total	\$ 176,476
Contingencies (15%)	26,471
<i>Construction Total</i>	<i>\$ 202,947</i>

###### Non-Construction Costs

Preliminary Engineering Reports	\$ 1,495
Survey and Design	16,034
Construction Administration	13,000
Project Inspection	26,000
Permits	150
<i>Non-Construction Total</i>	<i>\$ 56,679</i>
<b>Project Cost</b>	<b>\$ 259,626</b>

###### 4<sup>th</sup> Avenue

###### Construction Costs

Construction Sub-Total	\$ 149,761
Contingencies (15%)	22,464
<i>Construction Total</i>	<i>\$ 172,225</i>

###### Non-Construction Costs

Preliminary Engineering Reports	\$ 1,495
Survey and Engineering	6,640
Construction Administration	1,400

Project Inspection	2,800
Permits	150
<i>Non-Construction Total</i>	<i>\$ 12,485</i>
<b>Project Cost</b>	<b>\$ 184,710</b>

### **Highland Road**

#### **Construction Costs**

Construction Sub-Total	\$ 51,044
Contingencies (15%)	7,656
<i>Construction Total</i>	<i>\$ 58,700</i>

#### **Non-Construction Costs**

Preliminary Engineering Reports	\$ 1,495
Survey and Engineering	2,490
Construction Administration	600
Project Inspection	1,200
Permits	150
<i>Non-Construction Total</i>	<i>\$5,934</i>
<b>Project Cost</b>	<b>\$ 64,635</b>
<b>Total Project Cost</b>	<b>\$ 508,971</b>

- B. Indiana American Water will finance the project with a 20-year loan of approximately \$508,971 from the State Revolving Fund (SRF) Loan Program at an interest rate to be determined at the time of loan closing. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment.

## **V. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES**

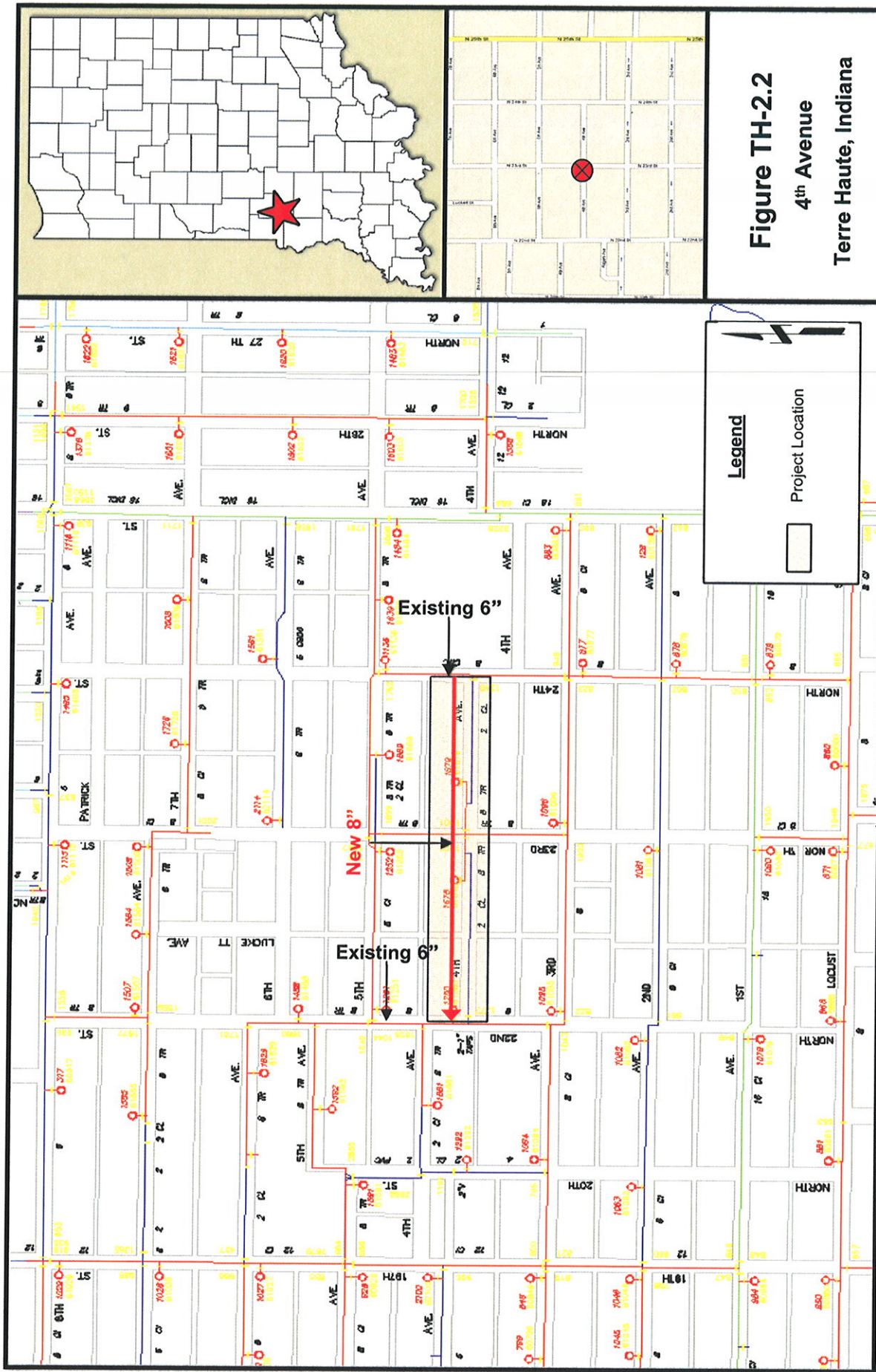
Environmental impacts will be minimal. The projects will be installed in the existing right-of-ways of Ash Street 4<sup>th</sup> Avenue and Highland Road. The Right-of-ways have been previously disturbed by road construction, installation of the existing water line and installation of underground electrical lines. The project will not affect streams, wetlands, wooded areas, the 100-year floodplain or the Lake Michigan Coastal Management Zone. The Natural Resources Conservation Service has indicated that the projects will not convert prime farmland. These projects have no potential to affect historic sites (see figures 1.7, 2.7 and 3.7). The SRF's finding pursuant to Section 106 of the National Historic Preservation Act is: "no historic properties affected."

## **VI. PUBLIC PARTICIPATION**

A properly noticed public hearing was held on September 1, 2009 at 6:00 p.m. at the Vigo County Public Library, One Library Square at in Terre Haute. No written comments were received in the 5-day period following the hearing.







**Figure TH-2.2**

**4<sup>th</sup> Avenue**

**Terre Haute, Indiana**



**INDIANA  
AMERICAN WATER**

**Wabash Valley District**

**Legend**

Project Location

Install 1,400 feet of 8" ductile iron main to replace existing 2" cast iron main on 4<sup>th</sup> Avenue from North 22<sup>nd</sup> Street to North 24<sup>th</sup> Street.



0'

500'

SCALE: 1" = 500'

1,000'



**Figure TH-3.2**

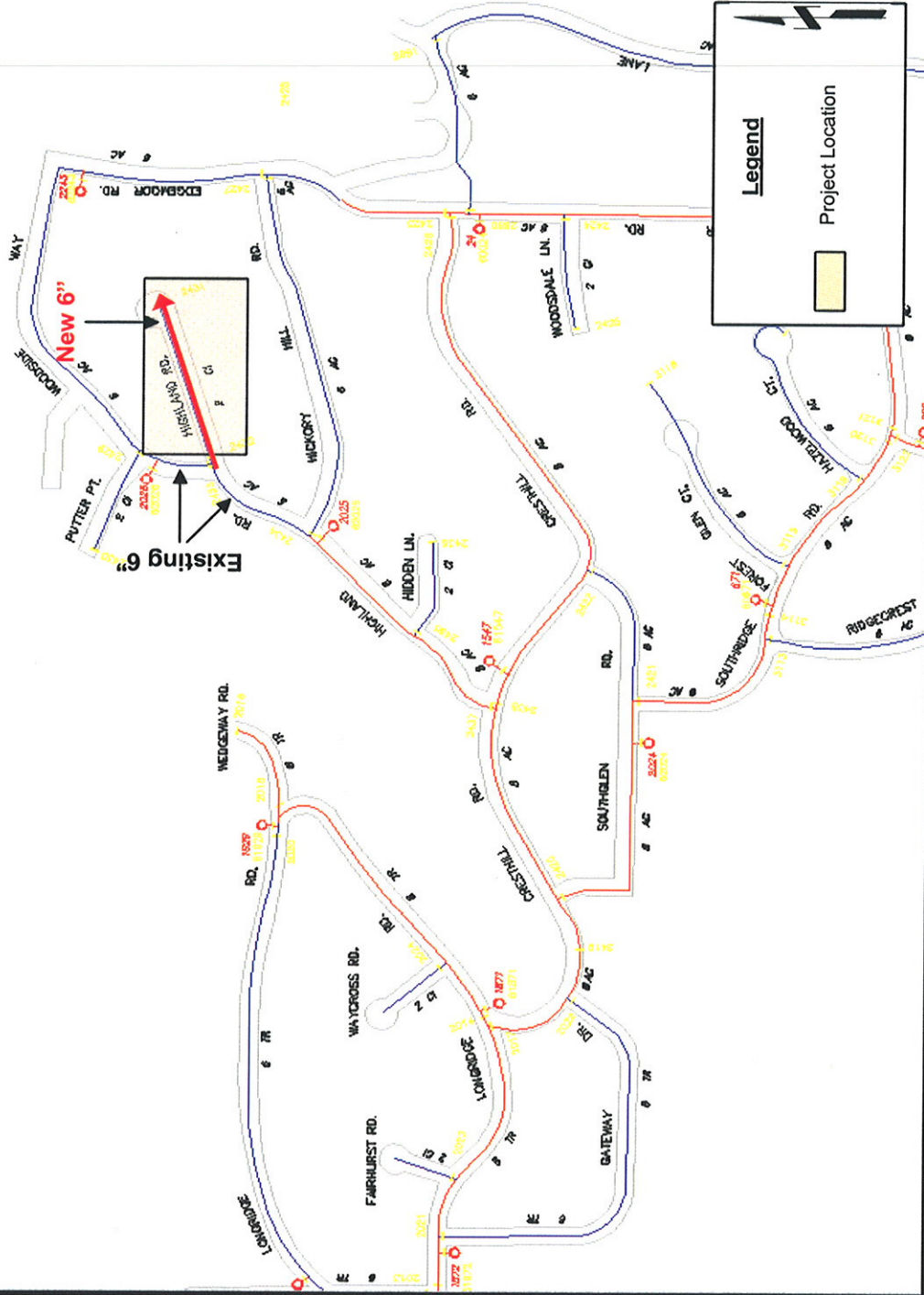
**Highland Road**

**Terre Haute, Indiana**



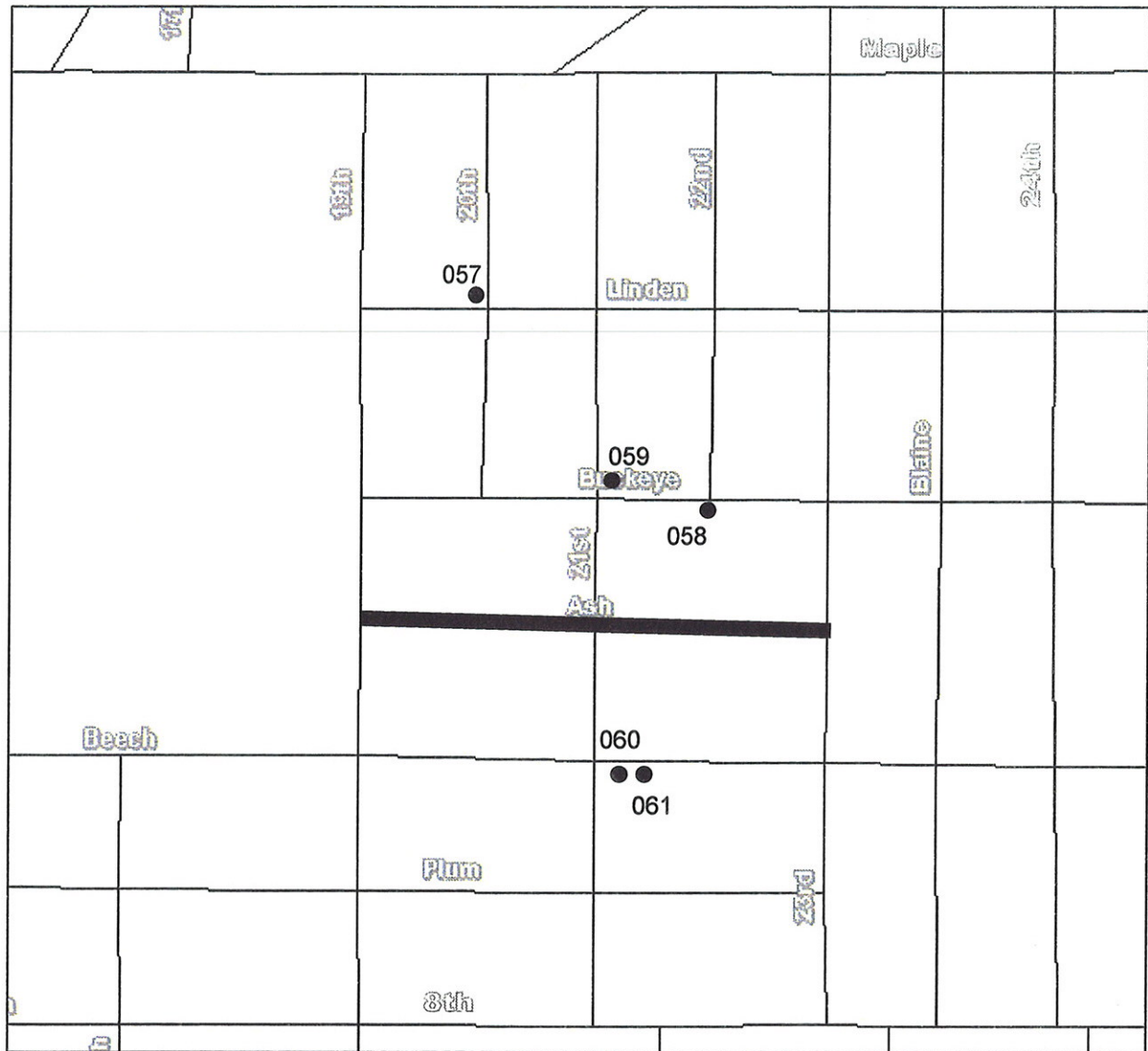
**INDIANA  
AMERICAN WATER**

**Wabash Valley District**



Install 640 feet of 6" ductile iron main to replace existing 2" cast iron main on Highland Road from Woodside Way Drive to the end of the cul-de-sac.





Vigo County, Harrison Township –  
Harrison Township (Sites # 20001 – 456)

0 500 1000  
DISTANCE IN FEET

#### LEGEND




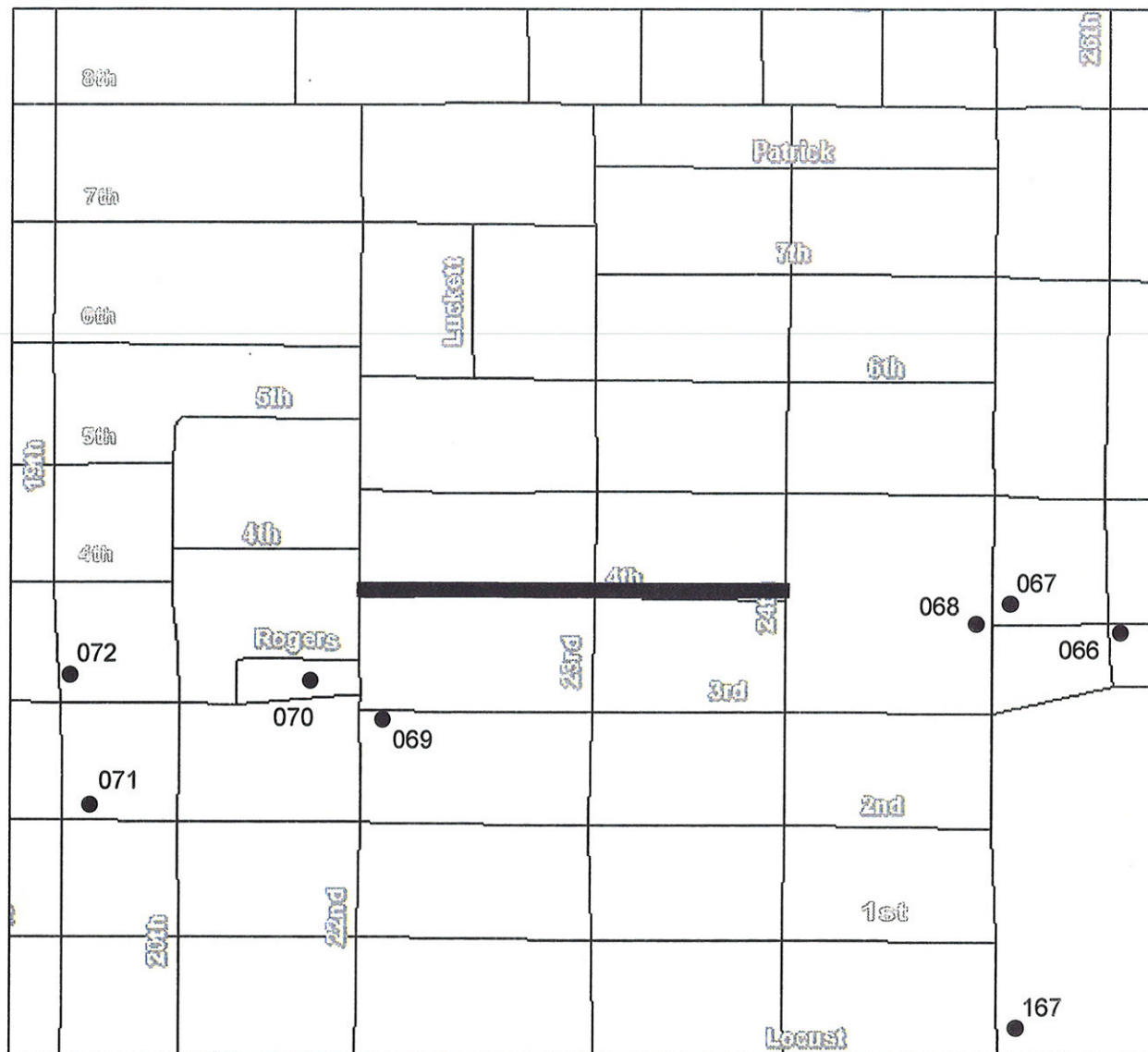
-  Water Main Replacement
-  Stream (None in Project Area)
-  Historic Site

Figure TH-1.7

INDIANA-AMERICAN WATER COMPANY  
PRELIMINARY ENGINEERING REPORT – TERRE HAUTE  
WATER MAIN REPLACEMENT ON ASH STREET, FROM NORTH 19<sup>TH</sup> STREET TO  
NORTH 23<sup>RD</sup> STREET

  
INDIANA  
AMERICAN WATER  
Wabash Valley District



Vigo County, Harrison Township –  
Harrison Township (Sites # 20001 – 456)

0 500 1000  
DISTANCE IN FEET

#### LEGEND




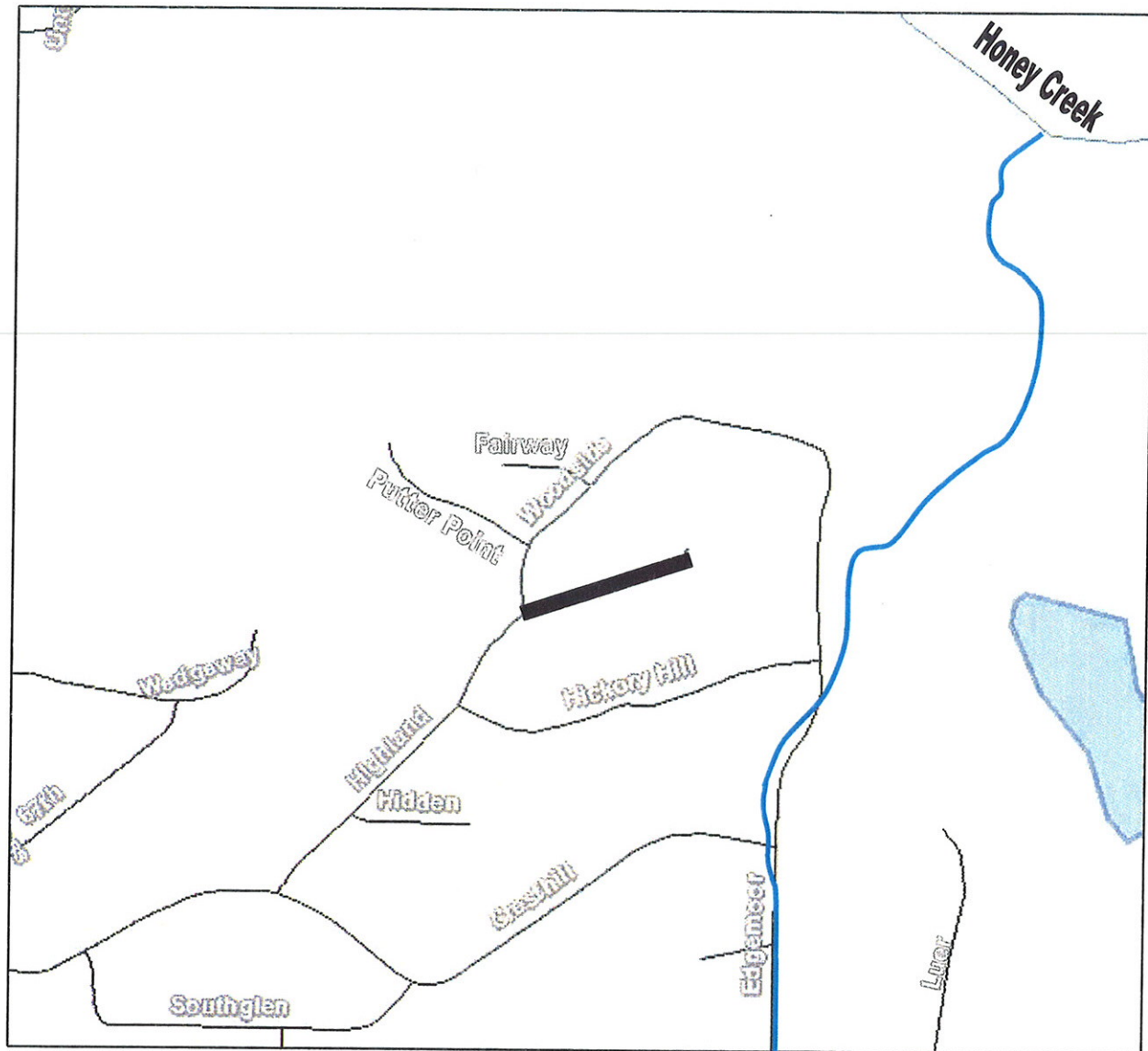
-  Water Main Replacement
-  Stream (None in Project Area)
-  Historic Site

Figure TH-2.7

INDIANA-AMERICAN WATER COMPANY  
PRELIMINARY ENGINEERING REPORT – TERRE HAUTE  
WATER MAIN REPLACEMENT ON 4<sup>TH</sup> AVENUE, FROM NORTH 22<sup>ND</sup> STREET TO  
NORTH 24<sup>TH</sup> STREET





Vigo County, Honey Creek Township –  
Honey Creek Township  
(Sites # 40001 – 21)

0 500 1000  
DISTANCE IN FEET

#### LEGEND

- Water Main Replacement
- Stream
- Historic Site (None in Project Area)

**Figure TH-3.7**

INDIANA-AMERICAN WATER COMPANY  
PRELIMINARY ENGINEERING REPORT – TERRE HAUTE  
WATER MAIN REPLACEMENT ON HIGHLAND ROAD, FROM WOODSIDE WAY  
DRIVE TO THE END OF THE CUL-DE-SAC

